



1 WHAT IS CLAIMED IS:

2  
3 1. (First Amended) A method for fabrication of  
4 an enclosure device for a preselected set of speaker  
5 drivers, said enclosure having any preselected external  
6 shape and including internal cavities and channels formed  
7 to enhance the ability of said drivers to reproduce sound  
8 with preselected characteristics, the method comprising the  
9 steps of:

10 selecting said external shape and forming an  
11 outline of an (outline the) external circumferential edge  
12 to create a base template;

13 placing an(placement of) the outline of the  
14 internal circumferential edges of said drivers within said  
15 external circumferential edge outline of said base  
16 template;

17 placing(placement of) a plurality of guide holes  
18 within said internal circumferential edge;

19 calculating a (calculate the) volume for (the)  
20 driver chambers and supporting ports;

21 selecting a number of(select the number) said  
22 base templates required to produce (the) a desired volume  
23 of chambers and ports;

24 outlining(outline) said internal circumferential  
25 edges of said drivers and said guide holes on each of said  
26 base templates whereby said base template external on one  
27 end has openings into which said preselected drivers may be  
28 mounted, said base template external on the opposing side  
29 terminates the driver chambers and said base templates  
30 spaced(space) apart said external opposing base templates  
31 thereby creating the desired chamber volume and ports;

32 outlining the (outline) circumferential edges of  
33 internal supports to strengthen and stabilize said  
34 enclosure, the placement of said internal supports being

1 selected whereby said drivers may be fully inserted within  
2 said enclosure without being limited by said supports;  
3 applying(apply) each template outline of external  
4 circumferential edges and internal circumferential edges to  
5 preselected sheet stock;  
6 cutting(cut) each layer of sheet stock along said  
7 circumferential edges;  
8 calculating(calculate) the desired characteristics of  
9 a (the) supporting crossover network for said drivers;  
10 fabraciting said(fabricate) crossover network  
11 with said characteristics and terminating (terminate) said  
12 network with connectors for each driver and for externally  
13 applied user supplied input;  
14 mounting(mount) said crossover network to a  
15 selected layer whereby said driver connectors are  
16 internally accessible to attach to said drivers upon the  
17 condition of said drivers mounted within said enclosure and  
18 said externally applied user supplied input is externally  
19 accessible;  
20 inserting(insert) a reinforcing rod having threaded  
21 ends within each guide hole of an external layer;  
22 applying(apply) adhesive to at least one side of each  
23 adjacent layer between said external layer and inside of  
24 opposing external layer;  
25 assembling(assemble) layers in preselected order by  
26 inserting said reinforcing rods through each successive  
27 layer terminating with said opposing external layer;  
28 applying(apply) a nut to each said threaded ends of  
29 said reinforcing rods and tightening (tighten) each of said  
30 nuts thereby compressing said layers without deforming said  
31 layers or distorting the sound reproduction characteristics  
32 of said enclosure;  
33 mounting(mount) said selected drivers within said  
34 enclosure, attaching the terminals of each driver to the

1 corresponding internal connections of said crossover  
2 network;  
3 applying(apply) a preselected veneer to the  
4 external surface of said assembled enclosure; and,  
5 applying(apply) a speaker cloth layer over said  
6 speaker drivers.  
7  
8  
9  
10

11 2. The method of claim 1 further comprising the  
12 steps of:  
13 testing said assembled templates for sound  
14 reproduction characteristics; and,  
15 adjusting selected circumferential edges to  
16 create desired response of enclosure and drivers.  
17